

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010417\
 Data File : BF092082.D
 Acq On : 4 Jan 2017 21:50
 Operator : UM/SJ
 Sample : I1004-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-36

Quant Time: Jan 05 00:06:56 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 17:32:10 2016
 Response via : Initial Calibration

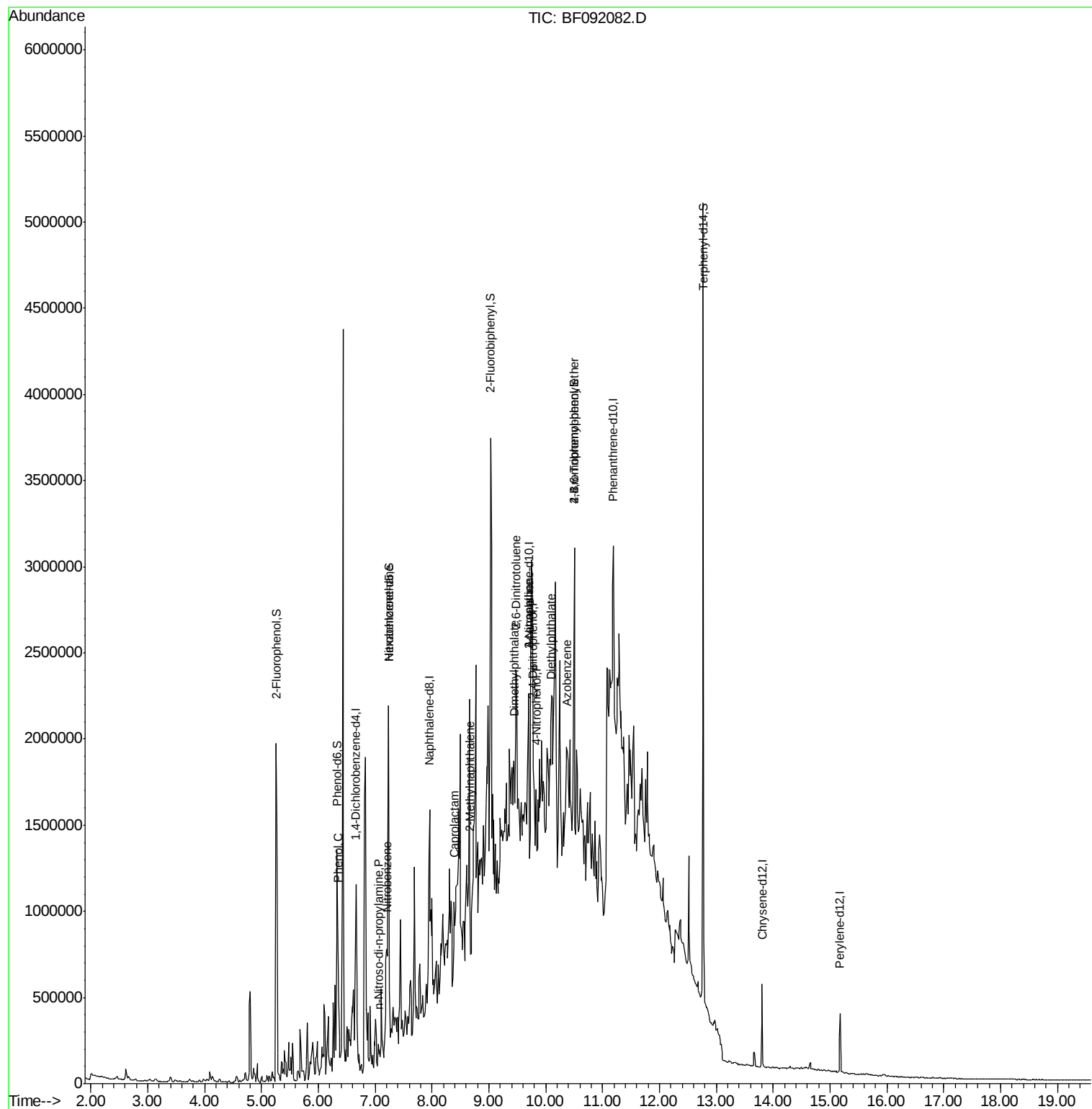
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	153247	20.00	ng	-0.04
21) Naphthalene-d8	7.96	136	318248	20.00	ng	-0.04
38) Acenaphthene-d10	9.70	164	244768	20.00	ng	-0.05
63) Phenanthrene-d10	11.19	188	505634	20.00	ng	-0.04
75) Chrysene-d12	13.81	240	193573	20.00	ng	-0.06
86) Perylene-d12	15.18	264	157884	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	747379	81.43	ng	-0.06
7) Phenol-d6	6.33	99	668038	59.62	ng	-0.05
23) Nitrobenzene-d5	7.24	82	644974	112.69	ng	-0.05
41) 2,4,6-Tribromophenol	10.50	330	225497	111.32	ng	-0.04
44) 2-Fluorobiphenyl	9.03	172	1003277	83.80	ng	-0.05
78) Terphenyl-d14	12.77	244	1500236	187.96	ng	-0.05
Target Compounds						Qvalue
10) Phenol	6.34	94	104466	8.18	ng	81
18) Hexachloroethane	7.24	117	212661	50.57	ng	# 4
19) n-Nitroso-di-n-propylamine	7.06	70	21948	2.94	ng	# 65
24) Nitrobenzene	7.21	77	25702	4.22	ng	# 29
35) Caprolactam	8.39	113	16112	11.61	ng	# 1
37) 2-Methylnaphthalene	8.66	142	62587	5.07	ng	# 91
49) Dimethylphthalate	9.44	163	56480	3.61	ng	# 1
50) 2,6-Dinitrotoluene	9.49	165	18895	5.51	ng	# 1
52) 3-Nitroaniline	9.70	138	10491	2.47	ng	# 8
53) 2,4-Dinitrophenol	9.77	184	3991	2.09	ng	# 1
55) 4-Nitrophenol	9.83	139	8121	2.82	ng	# 1
59) Diethylphthalate	10.09	149	229491	15.09	ng	# 83
62) Azobenzene	10.38	77	51319	3.07	ng	# 43
66) 4-Bromophenyl-phenylether	10.50	248	14149	2.69	ng	# 1
71) Anthracene	11.32	178	3878	Below Cal	#	1
73) Di-n-butylphthalate	11.72	149	15127	Below Cal	#	50
74) Fluoranthene	12.39	202	5198	Below Cal	#	1
76) Benzidine	12.52	184	730	Below Cal	#	1

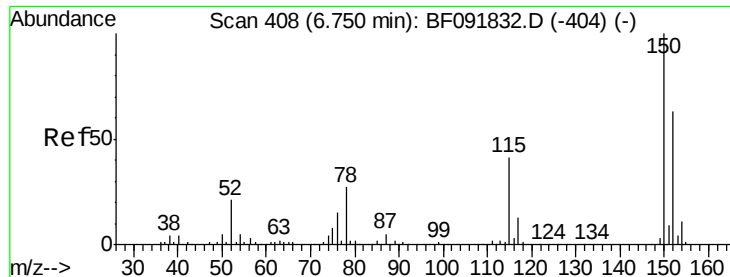
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 418

Delta R.T. -0.04 min

Lab File: BF092082.D

Acq: 4 Jan 2017 21:50

Instrument :

BNA_F

ClientSampleId :

MW-36

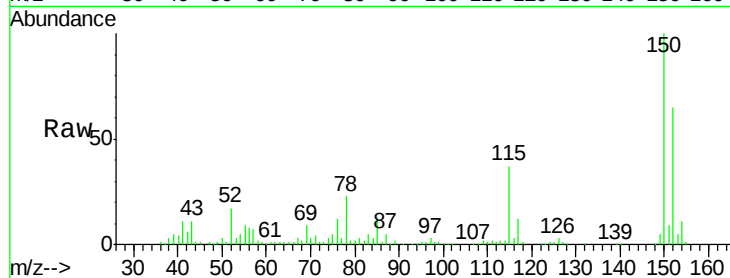
Tgt Ion:152 Resp: 153247

Ion Ratio Lower Upper

152 100

150 154.2 124.9 187.3

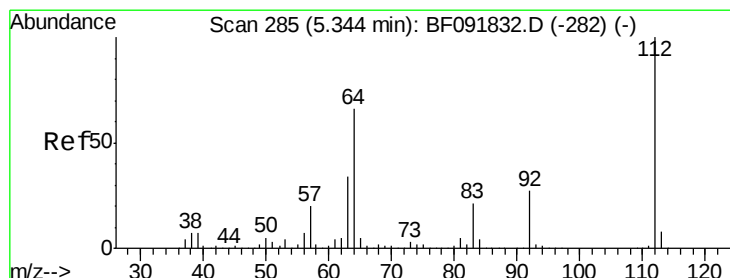
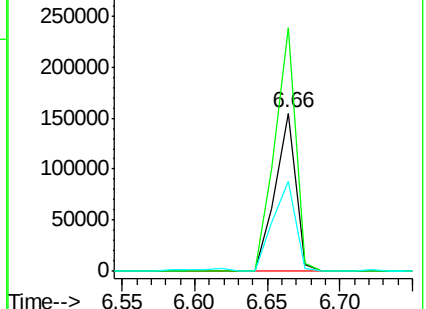
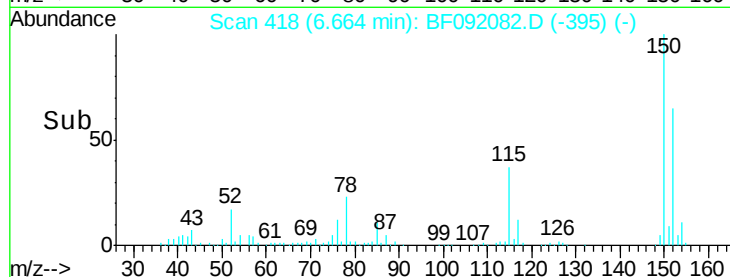
115 57.0 46.0 69.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 81.43 ng

RT: 5.26 min Scan# 295

Delta R.T. -0.06 min

Lab File: BF092082.D

Acq: 4 Jan 2017 21:50

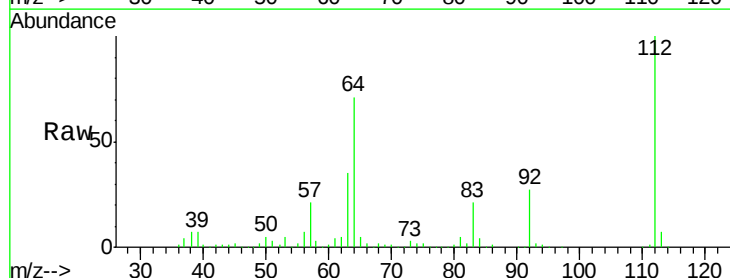
Tgt Ion:112 Resp: 747379

Ion Ratio Lower Upper

112 100

64 70.7 46.1 69.1#

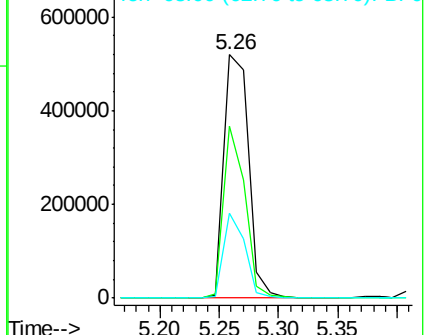
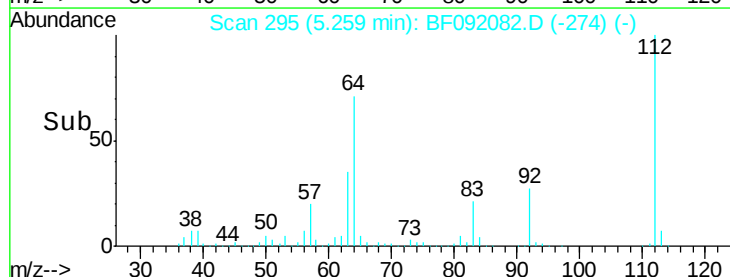
63 34.8 23.8 35.6

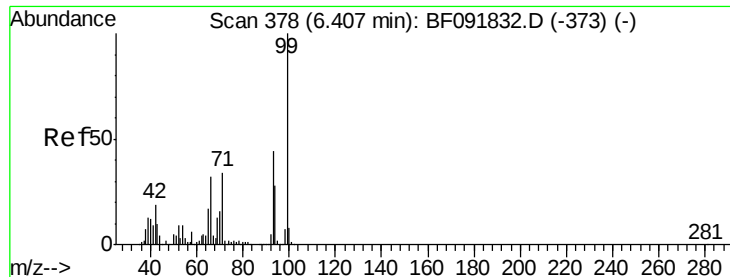


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 59.62 ng

RT: 6.33 min Scan# 389

Delta R.T. -0.05 min

Lab File: BF092082.D

Acq: 4 Jan 2017 21:50

Instrument :

BNA_F

ClientSampled :

MW-36

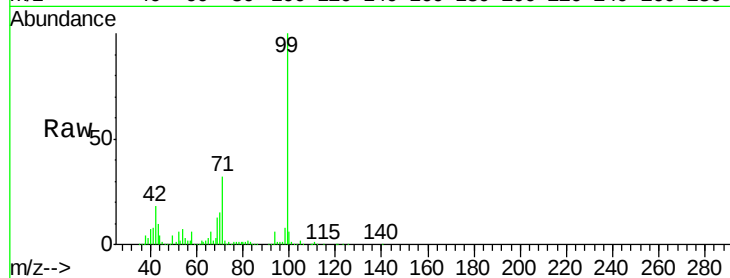
Tgt Ion: 99 Resp: 668038

Ion Ratio Lower Upper

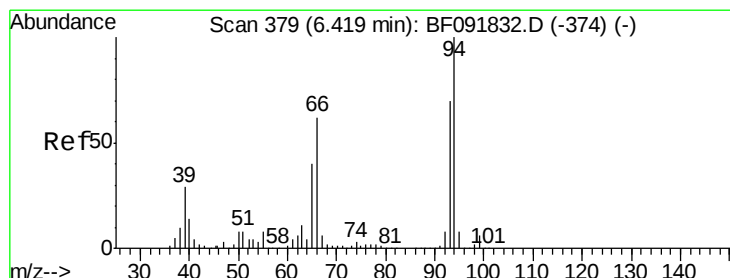
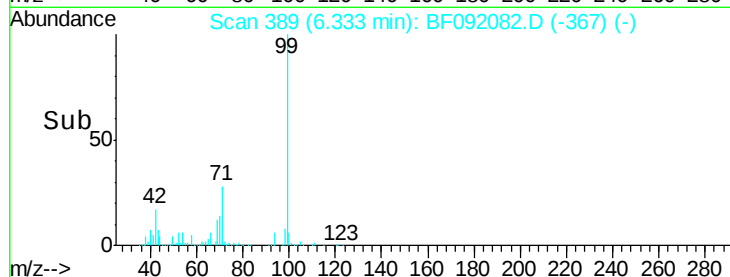
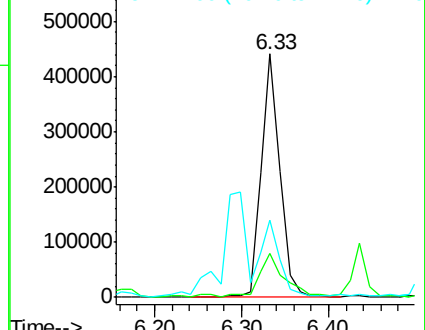
99 100

42 17.9 15.6 23.4

71 31.6 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 8.18 ng

RT: 6.34 min Scan# 390

Delta R.T. -0.05 min

Lab File: BF092082.D

Acq: 4 Jan 2017 21:50

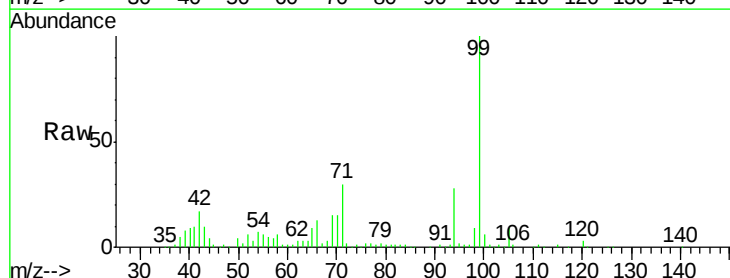
Tgt Ion: 94 Resp: 104466

Ion Ratio Lower Upper

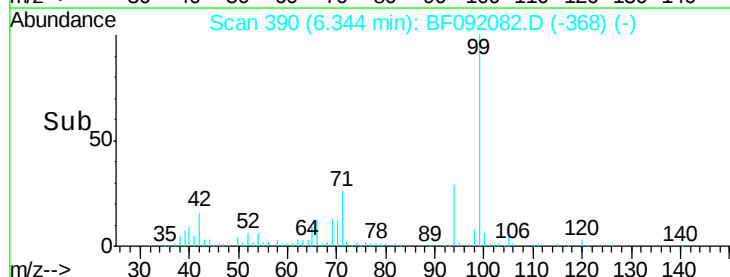
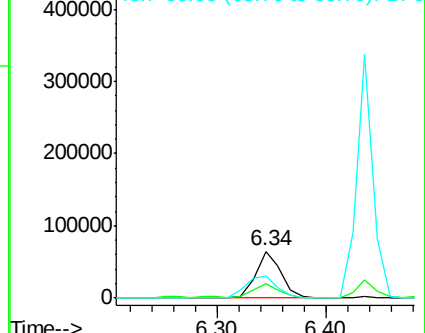
94 100

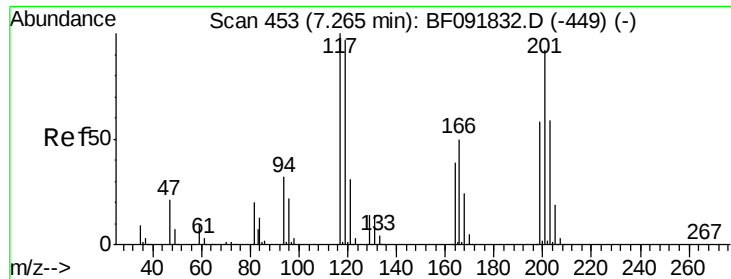
65 31.9 21.4 61.4

66 47.4 44.0 84.0



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

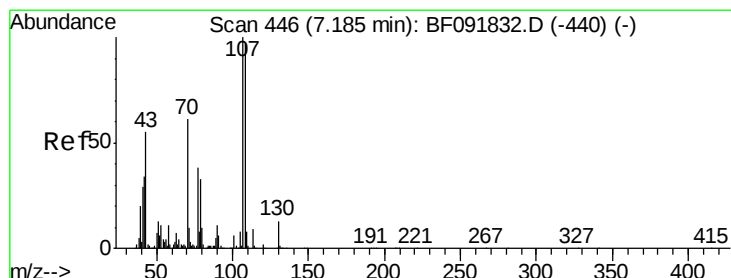
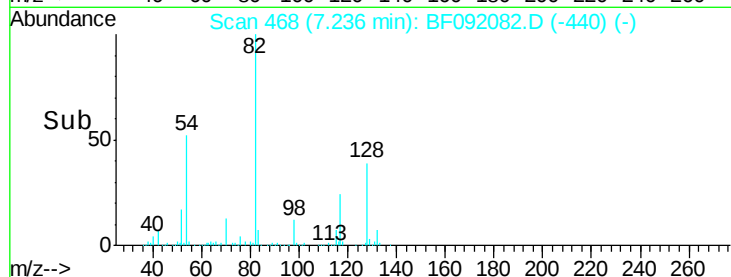
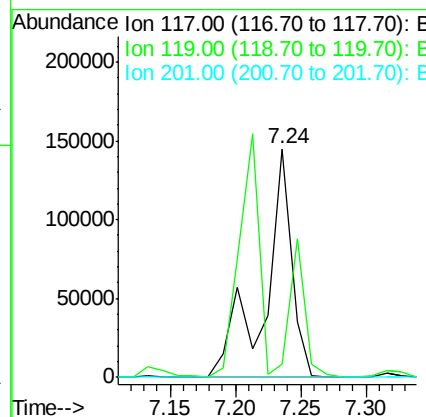
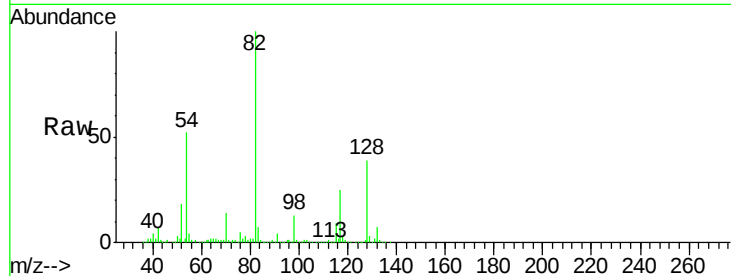




#18
Hexachloroethane
Concen: 50.57 ng
RT: 7.24 min Scan# 468
Delta R.T. 0.02 min
Lab File: BF092082.D
Acq: 4 Jan 2017 21:50

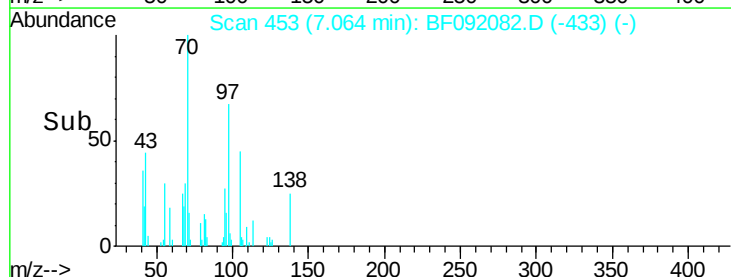
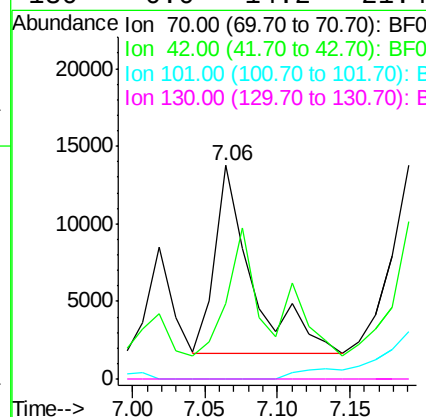
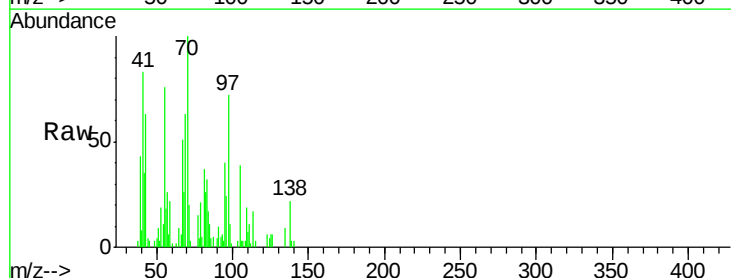
Instrument :
BNA_F
ClientSampleId :
MW-36

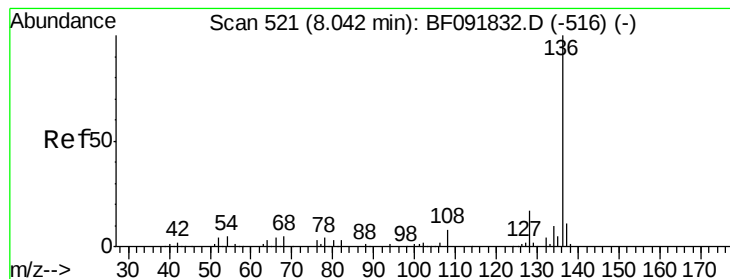
Tgt Ion: 117 Resp: 212661
Ion Ratio Lower Upper
117 100
119 5.8 78.1 117.1#
201 0.0 78.6 117.8#



#19
n-Nitroso-di-n-propylamine
Concen: 2.94 ng
RT: 7.06 min Scan# 453
Delta R.T. -0.07 min
Lab File: BF092082.D
Acq: 4 Jan 2017 21:50

Tgt Ion: 70 Resp: 21948
Ion Ratio Lower Upper
70 100
42 35.4 49.4 74.0#
101 0.0 7.4 11.2#
130 0.0 14.2 21.4#

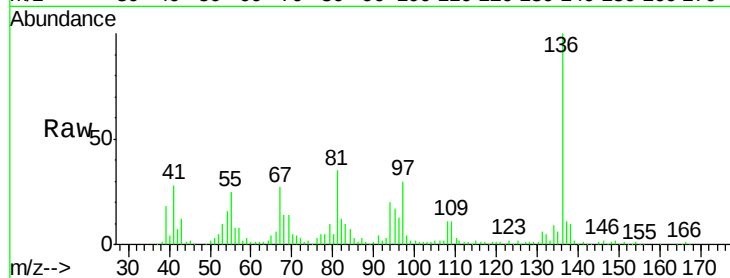




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.96 min Scan# 531
Delta R.T. -0.04 min
Lab File: BF092082.D
Acq: 4 Jan 2017 21:50

Instrument :
BNA_F
ClientSampled :
MW-36

Tgt Ion:	136	Resp:	318248
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	16.4	4.5	6.7#
68	14.1	3.6	5.4#



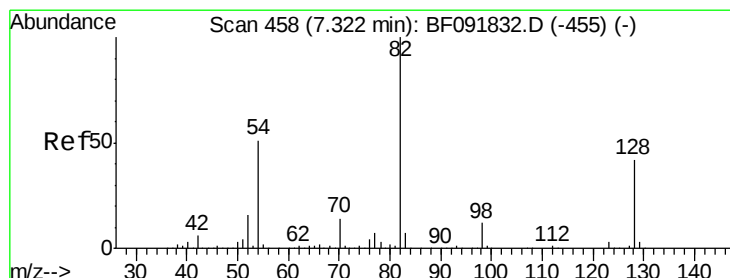
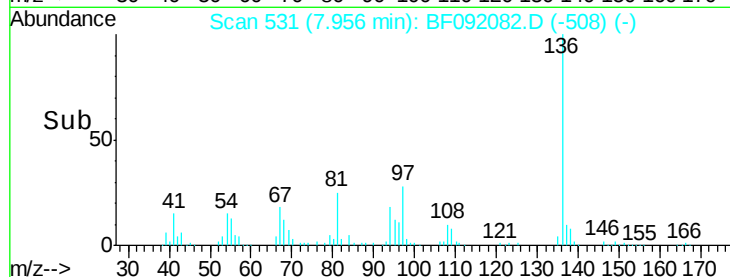
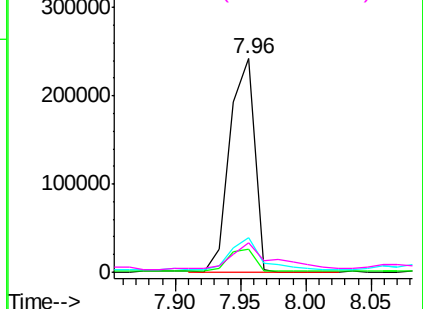
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

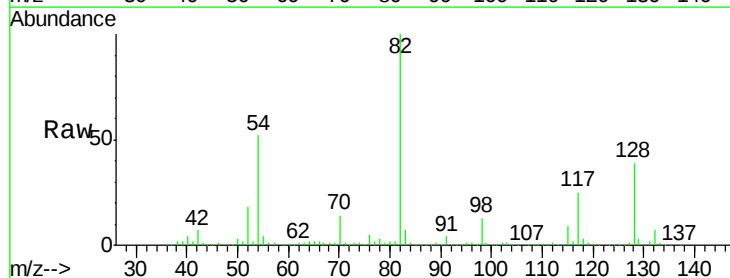
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23
Nitrobenzene-d5
Concen: 112.69 ng
RT: 7.24 min Scan# 468
Delta R.T. -0.05 min
Lab File: BF092082.D
Acq: 4 Jan 2017 21:50

Tgt Ion:	82	Resp:	644974
Ion	Ratio	Lower	Upper
82	100		
128	38.9	34.6	52.0
54	52.5	39.5	59.3

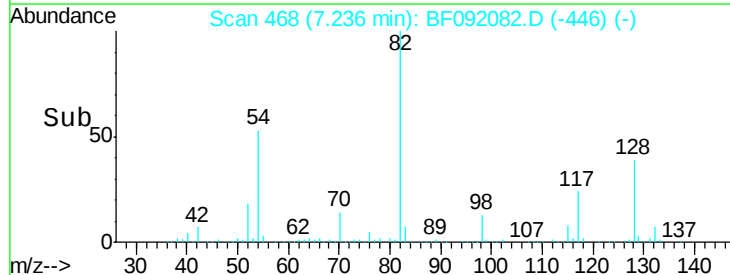
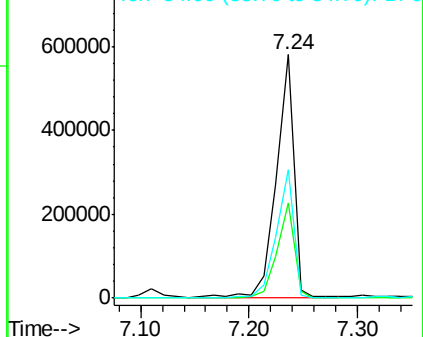


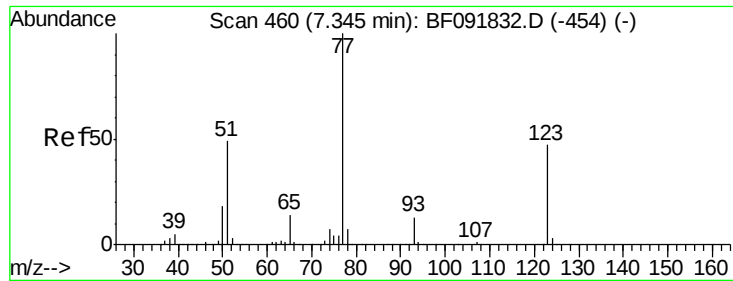
Abundance

Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

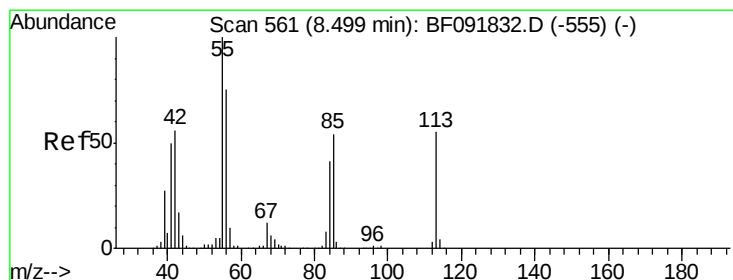
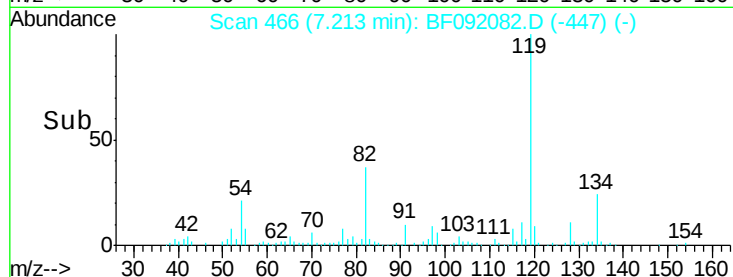
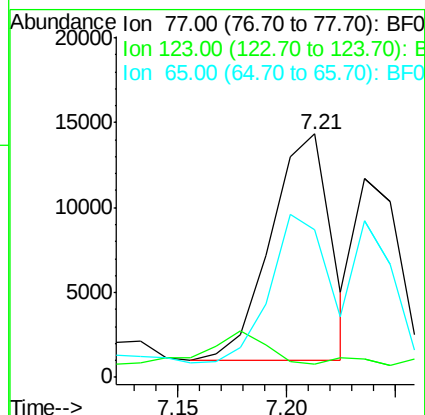
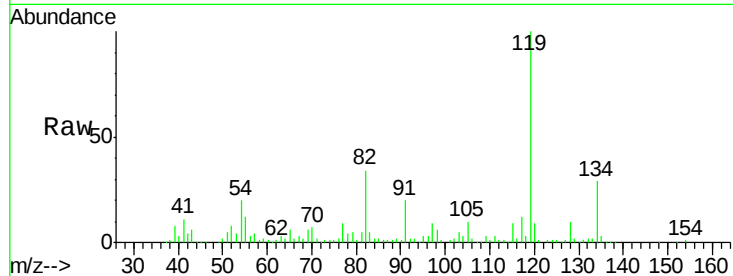




#24
 Nitrobenzene
 Concen: 4.22 ng
 RT: 7.21 min Scan# 466
 Delta R.T. -0.09 min
 Lab File: BF092082.D
 Acq: 4 Jan 2017 21:50

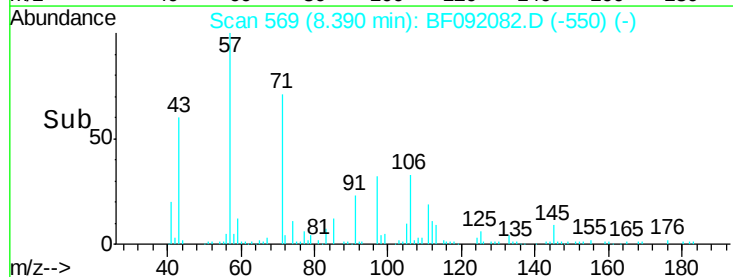
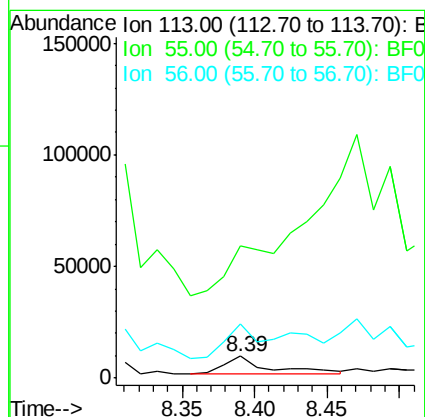
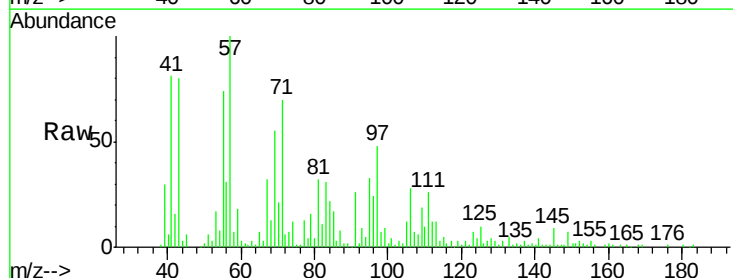
Instrument :
 BNA_F
 ClientSampled :
 MW-36

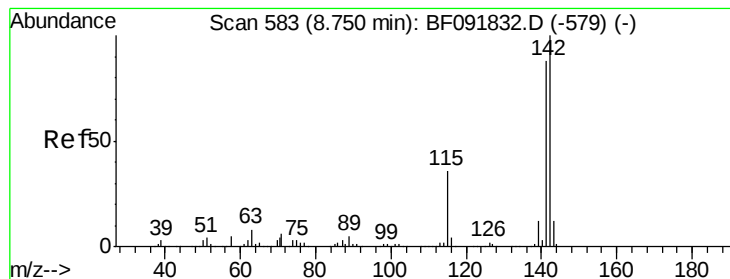
Tgt Ion: 77 Resp: 25702
 Ion Ratio Lower Upper
 77 100
 123 5.6 33.0 49.4#
 65 60.6 11.2 16.8#



#35
 Caprolactam
 Concen: 11.61 ng
 RT: 8.39 min Scan# 569
 Delta R.T. -0.09 min
 Lab File: BF092082.D
 Acq: 4 Jan 2017 21:50

Tgt Ion: 113 Resp: 16112
 Ion Ratio Lower Upper
 113 100
 55 598.5 119.2 159.2#
 56 247.3 83.8 123.8#





#37

2-Methylnaphthalene

Concen: 5.07 ng

RT: 8.66 min Scan# 593

Delta R.T. -0.05 min

Lab File: BF092082.D

Acq: 4 Jan 2017 21:50

Instrument :

BNA_F

ClientSampleId :

MW-36

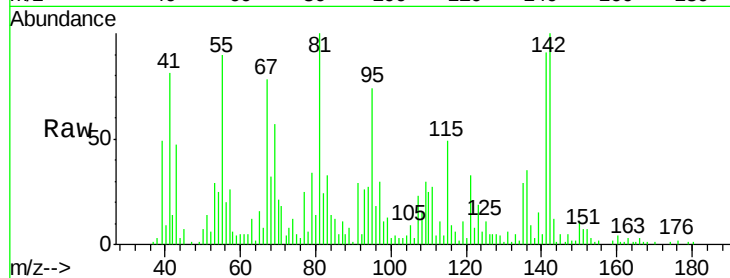
Tgt Ion:142 Resp: 62587

Ion Ratio Lower Upper

142 100

141 91.3 71.0 106.6

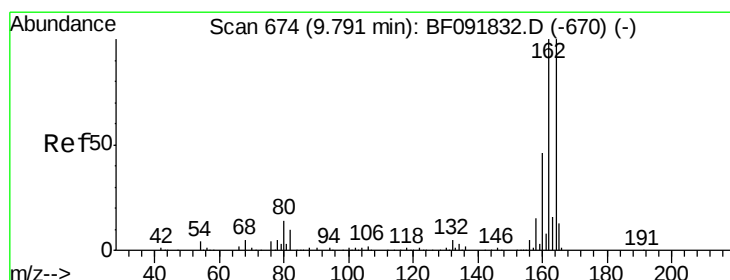
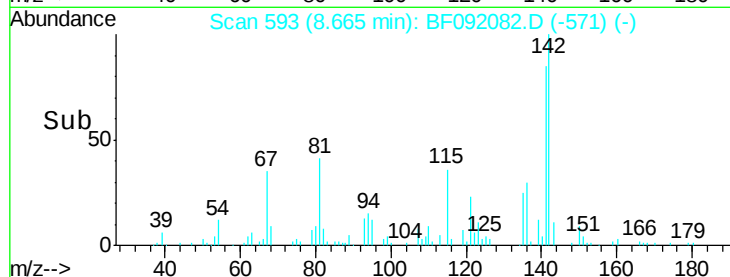
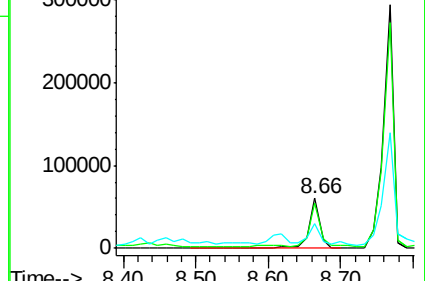
115 49.0 28.3 42.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 684

Delta R.T. -0.05 min

Lab File: BF092082.D

Acq: 4 Jan 2017 21:50

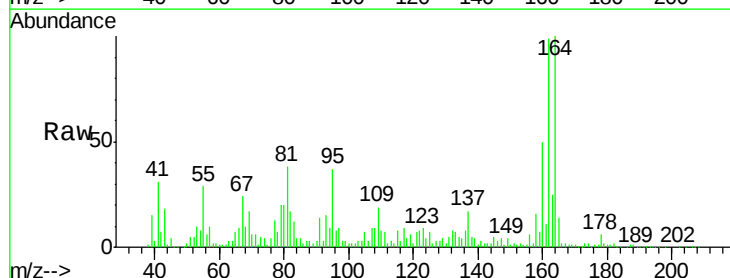
Tgt Ion:164 Resp: 244768

Ion Ratio Lower Upper

164 100

162 99.3 80.2 120.2

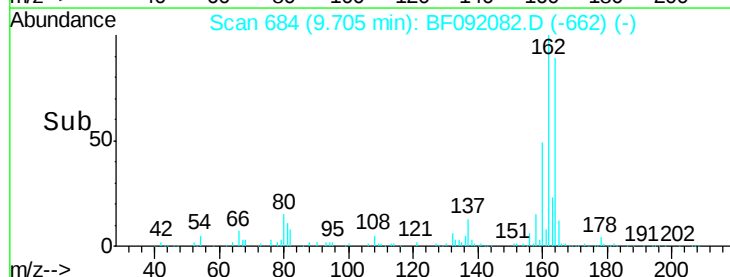
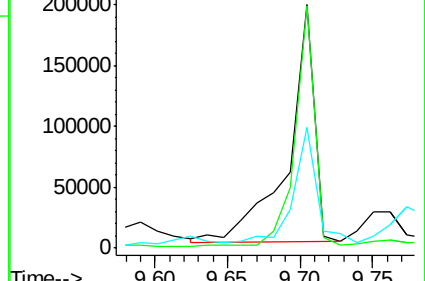
160 49.8 36.9 55.3

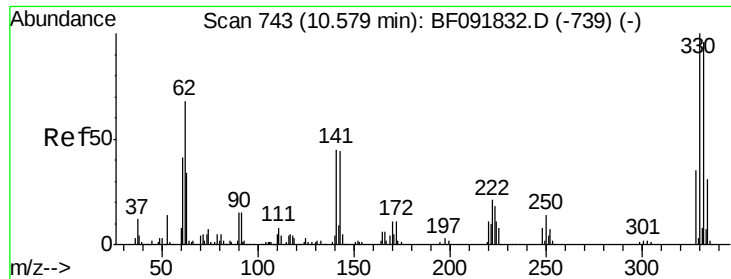


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

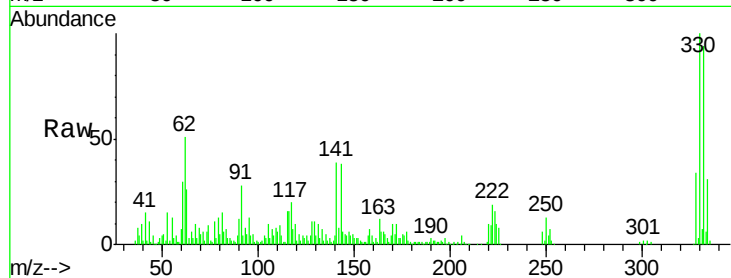




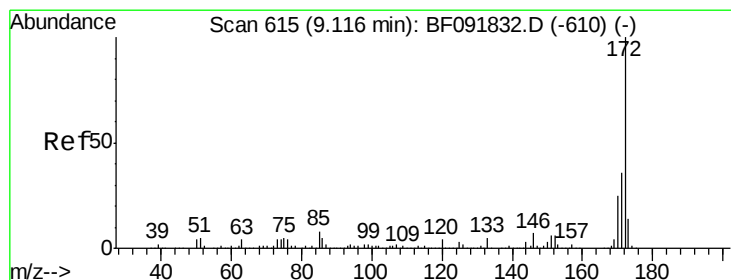
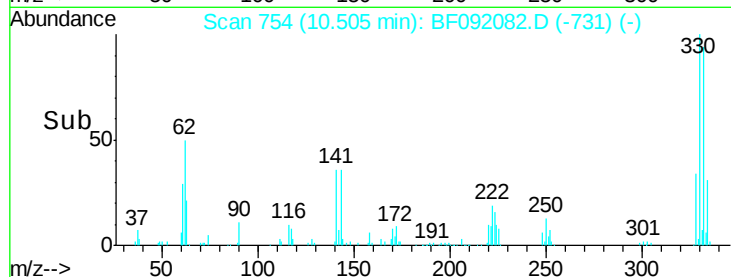
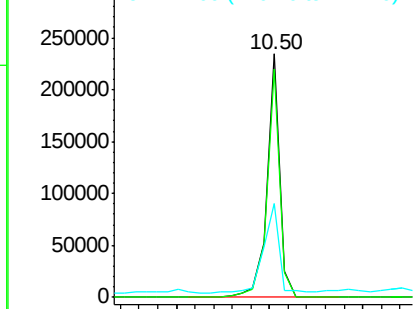
#41
 2,4,6-Tribromophenol
 Concen: 111.32 ng
 RT: 10.50 min Scan# 754
 Delta R.T. -0.04 min
 Lab File: BF092082.D
 Acq: 4 Jan 2017 21:50

Instrument :
 BNA_F
 ClientSampleId :
 MW-36

Tgt Ion:330 Resp: 225497
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.4 116.2
 141 44.5 34.1 51.1

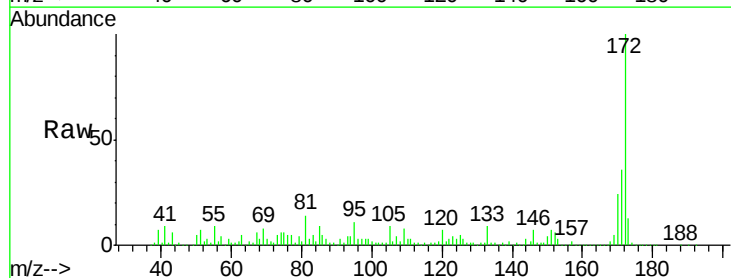


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

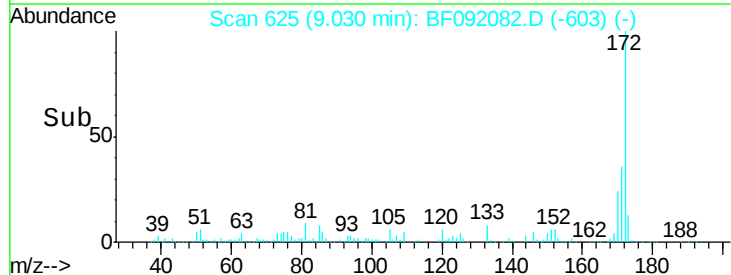
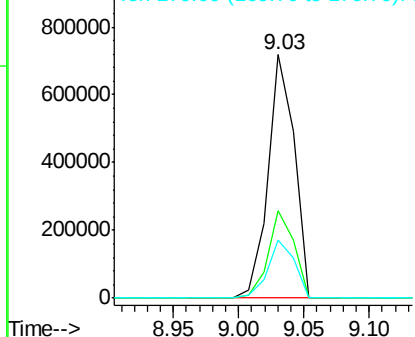


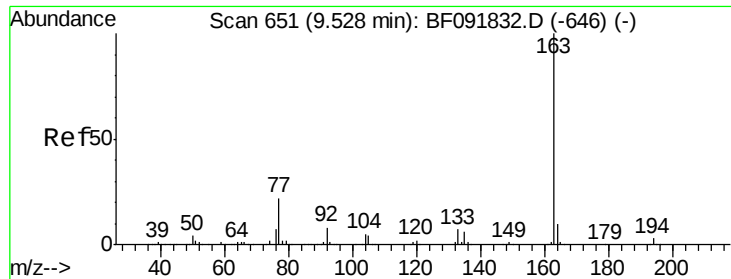
#44
 2-Fluorobiphenyl
 Concen: 83.80 ng
 RT: 9.03 min Scan# 625
 Delta R.T. -0.05 min
 Lab File: BF092082.D
 Acq: 4 Jan 2017 21:50

Tgt Ion:172 Resp: 1003277
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.4 44.0
 170 23.9 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

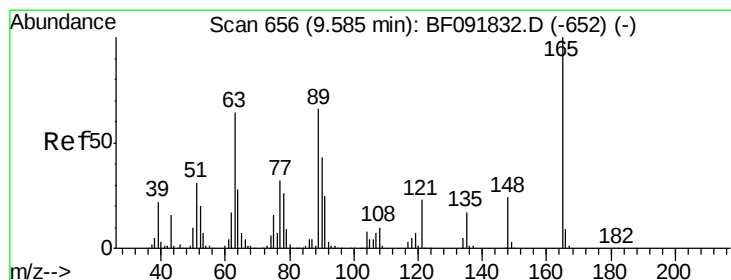
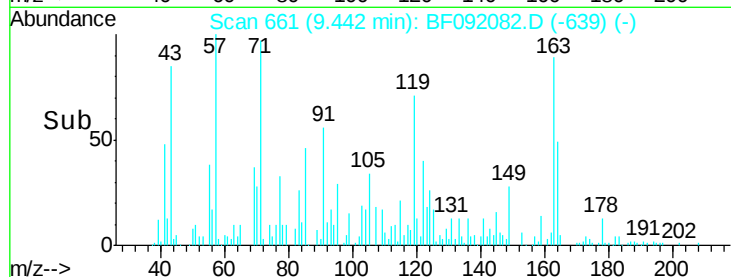
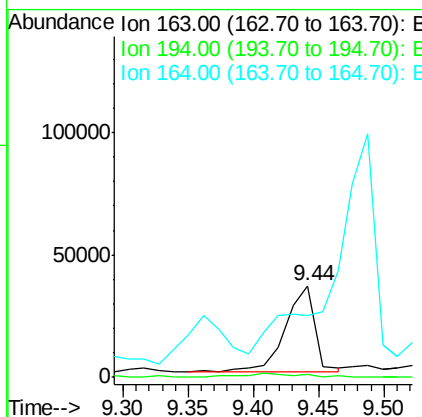
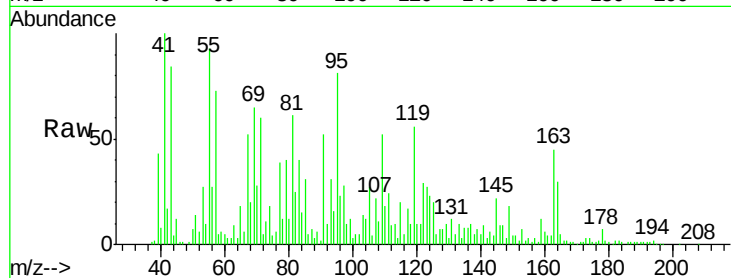




#49
Dimethylphthalate
Concen: 3.61 ng
RT: 9.44 min Scan# 661
Delta R.T. -0.05 min
Lab File: BF092082.D
Acq: 4 Jan 2017 21:50

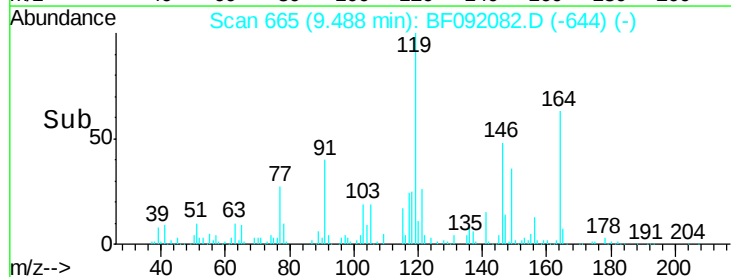
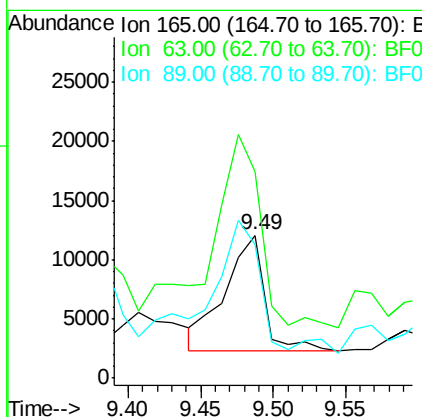
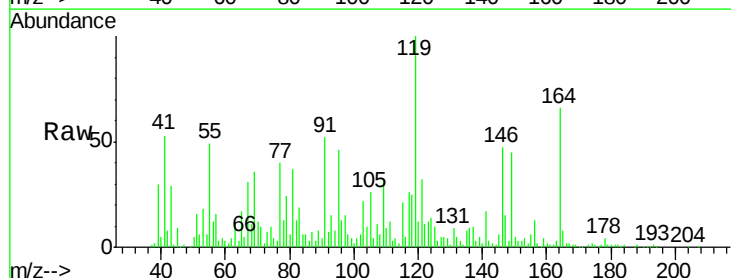
Instrument :
BNA_F
ClientSampleId :
MW-36

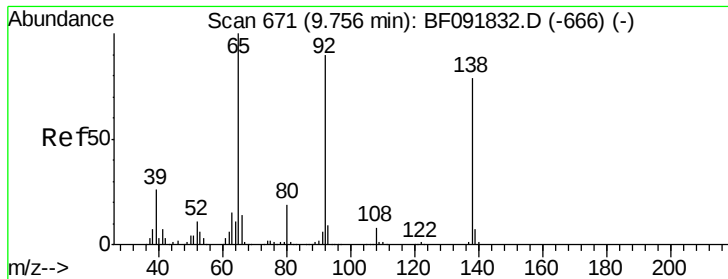
Tgt Ion:163 Resp: 56480
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.4
164 67.7 8.0 12.0#



#50
2,6-Dinitrotoluene
Concen: 5.51 ng
RT: 9.49 min Scan# 665
Delta R.T. -0.06 min
Lab File: BF092082.D
Acq: 4 Jan 2017 21:50

Tgt Ion:165 Resp: 18895
Ion Ratio Lower Upper
165 100
63 144.7 36.2 54.4#
89 93.7 40.2 60.4#





#52

3-Nitroaniline

Concen: 2.47 ng

RT: 9.70 min Scan# 684

Delta R.T. -0.02 min

Lab File: BF092082.D

Acq: 4 Jan 2017 21:50

Instrument :

BNA_F

ClientSampleId :

MW-36

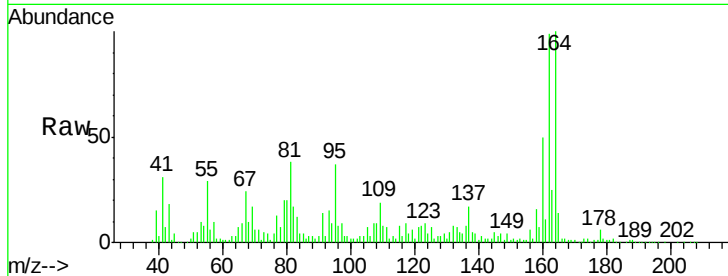
Tgt Ion:138 Resp: 10491

Ion Ratio Lower Upper

138 100

108 178.2 8.5 12.7#

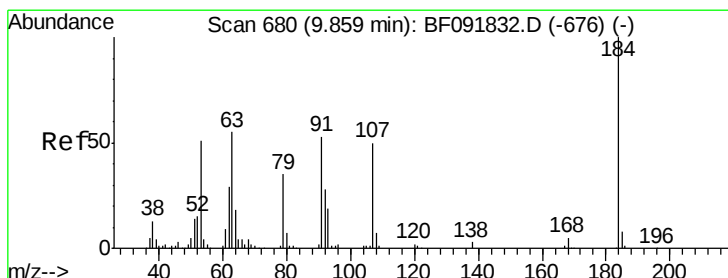
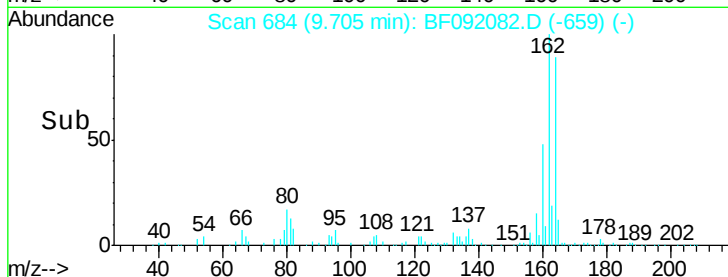
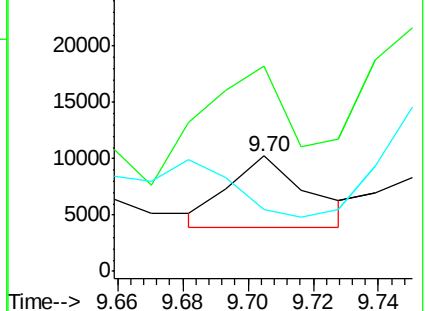
92 53.9 97.8 146.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): E



#53

2,4-Dinitrophenol

Concen: 2.09 ng

RT: 9.77 min Scan# 690

Delta R.T. -0.05 min

Lab File: BF092082.D

Acq: 4 Jan 2017 21:50

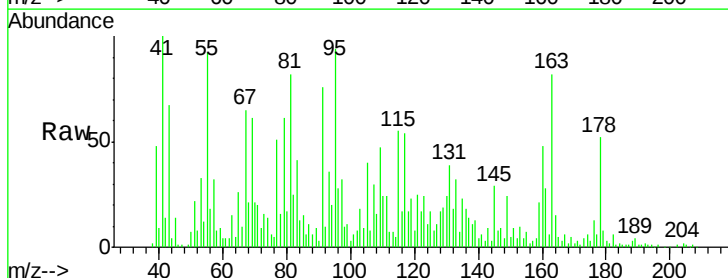
Tgt Ion:184 Resp: 3991

Ion Ratio Lower Upper

184 100

63 837.9 28.4 42.6#

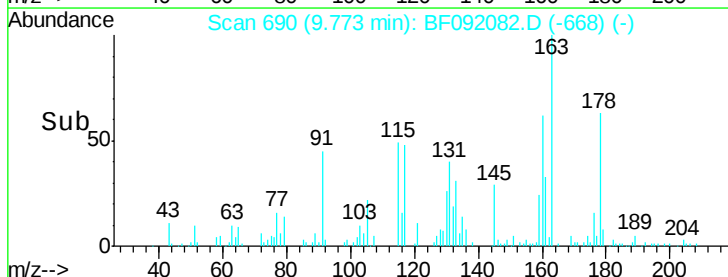
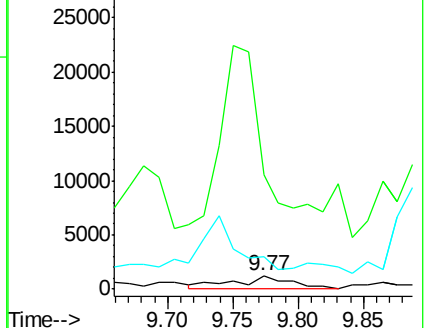
154 233.9 44.3 66.5#

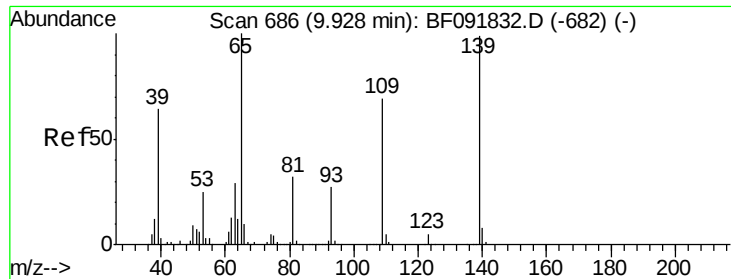


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

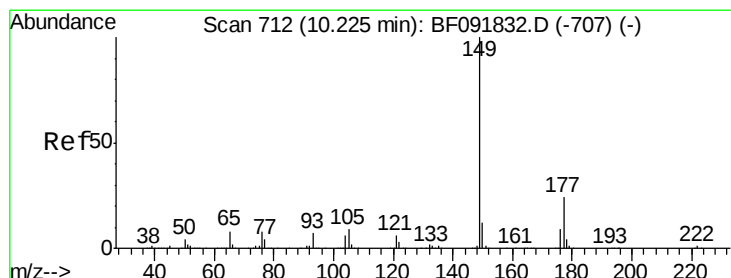
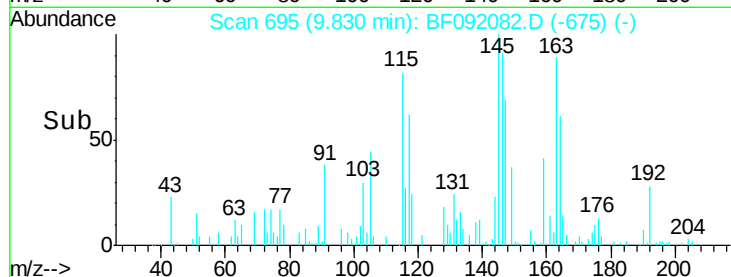
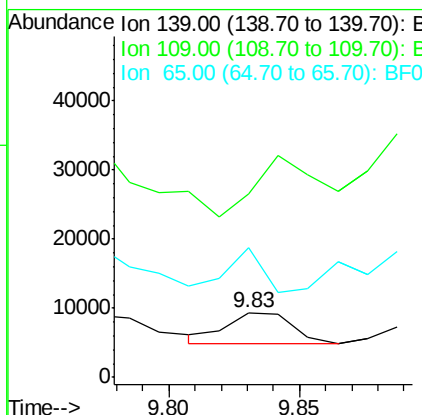
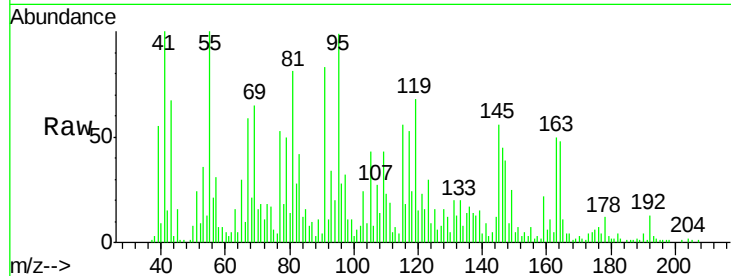




#55
4-Nitrophenol
Concen: 2.82 ng
RT: 9.83 min Scan# 695
Delta R.T. -0.07 min
Lab File: BF092082.D
Acq: 4 Jan 2017 21:50

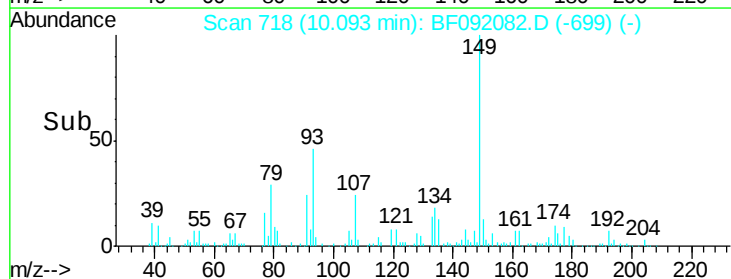
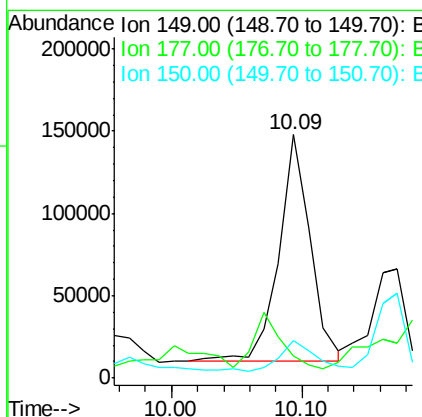
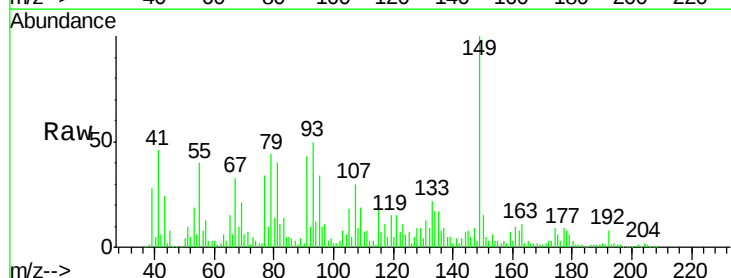
Instrument :
BNA_F
ClientSampleId :
MW-36

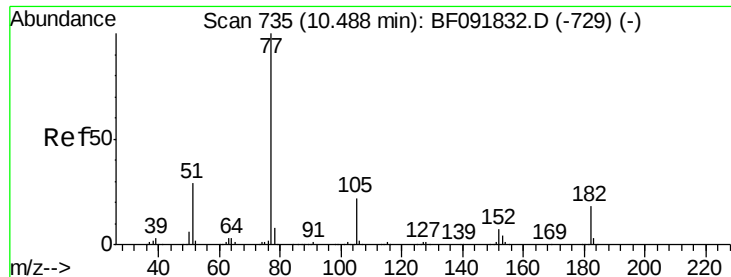
Tgt Ion:139 Resp: 8121
Ion Ratio Lower Upper
139 100
109 283.2 52.2 92.2#
65 200.4 85.8 125.8#



#59
Diethylphthalate
Concen: 15.09 ng
RT: 10.09 min Scan# 718
Delta R.T. -0.09 min
Lab File: BF092082.D
Acq: 4 Jan 2017 21:50

Tgt Ion:149 Resp: 229491
Ion Ratio Lower Upper
149 100
177 9.3 16.6 25.0#
150 15.3 10.4 15.6





#62

Azobenzene

Concen: 3.07 ng

RT: 10.38 min Scan# 743

Delta R.T. -0.07 min

Lab File: BF092082.D

Acq: 4 Jan 2017 21:50

Instrument :

BNA_F

ClientSampleId :

MW-36

Tgt Ion: 77 Resp: 51319

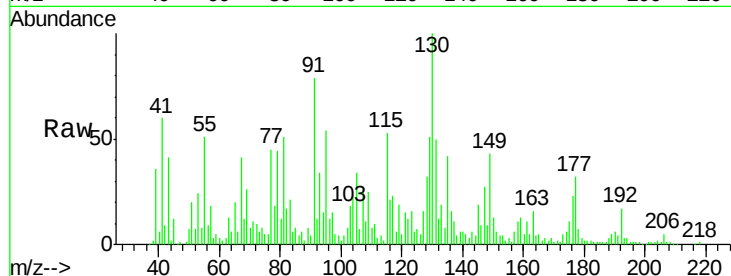
Ion Ratio Lower Upper

77 100

182 3.9 0.0 39.3

105 75.9 2.3 42.3#

51 45.2 8.9 48.9

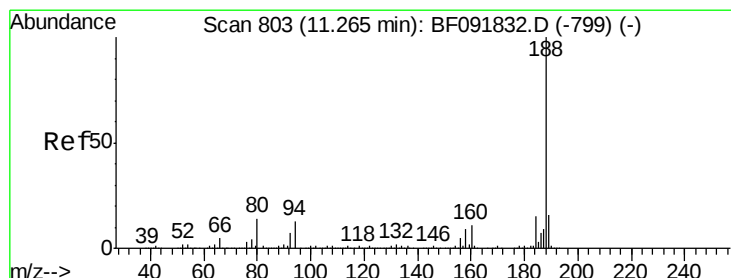
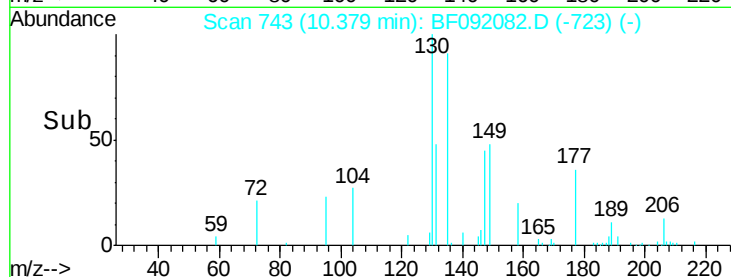
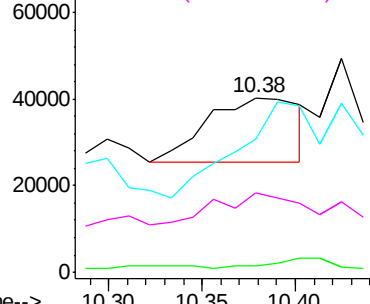


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.19 min Scan# 814

Delta R.T. -0.04 min

Lab File: BF092082.D

Acq: 4 Jan 2017 21:50

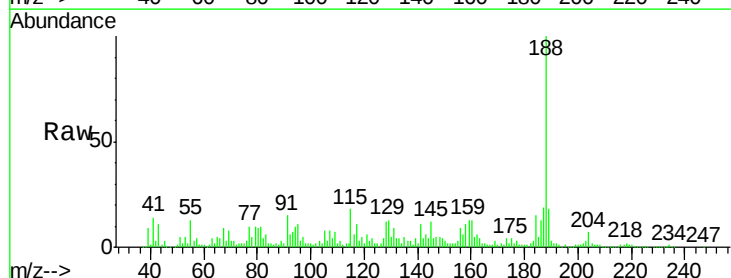
Tgt Ion: 188 Resp: 505634

Ion Ratio Lower Upper

188 100

94 9.7 10.0 15.0#

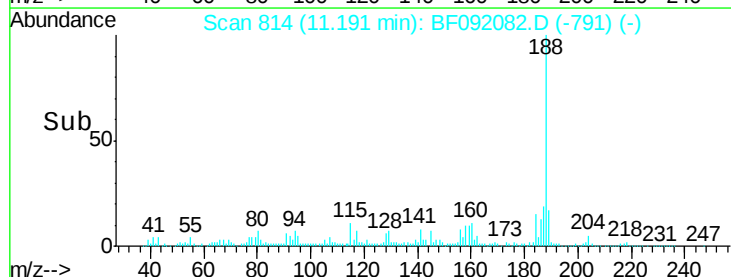
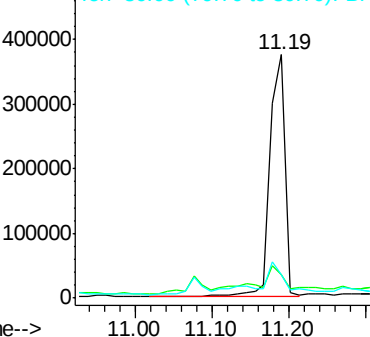
80 9.4 11.2 16.8#

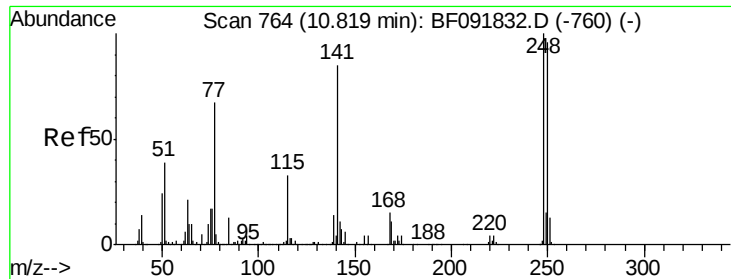


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

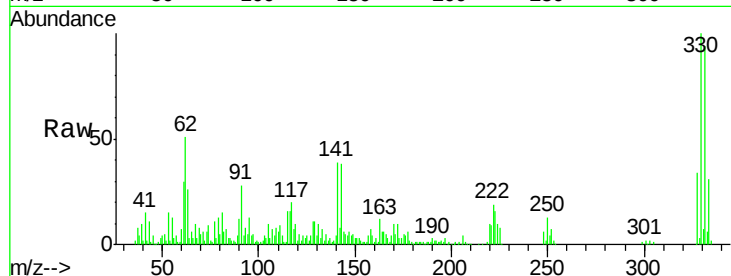




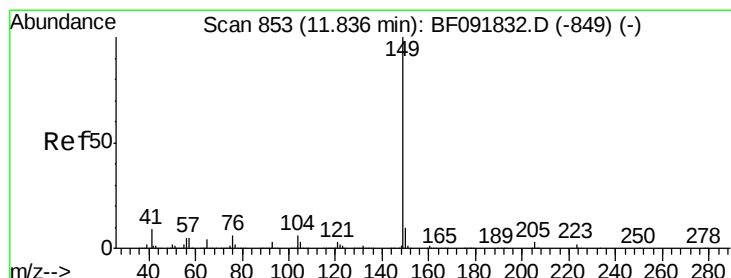
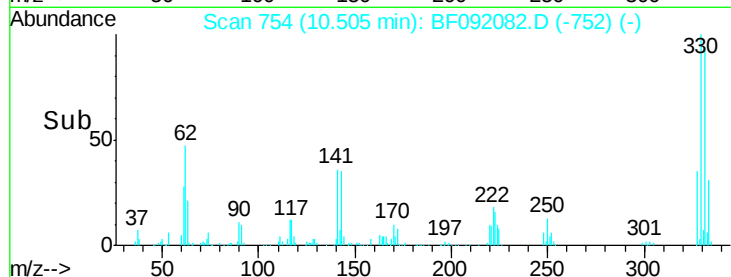
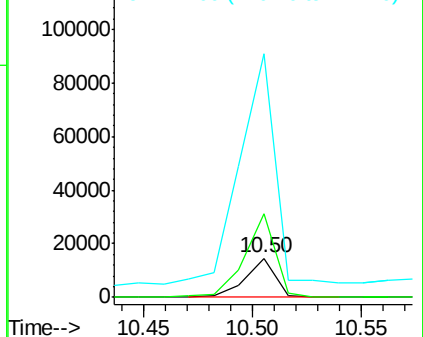
#66
 4-Bromophenyl-phenylether
 Concen: 2.69 ng
 RT: 10.50 min Scan# 754
 Delta R.T. -0.28 min
 Lab File: BF092082.D
 Acq: 4 Jan 2017 21:50

Instrument :
 BNA_F
 ClientSampleId :
 MW-36

Tgt Ion:248 Resp: 14149
 Ion Ratio Lower Upper
 248 100
 250 212.5 76.9 115.3#
 141 619.1 68.2 102.4#

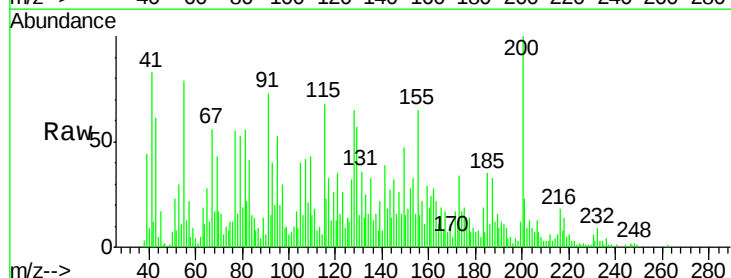


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

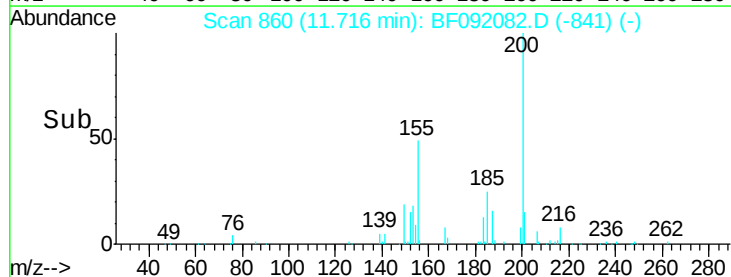
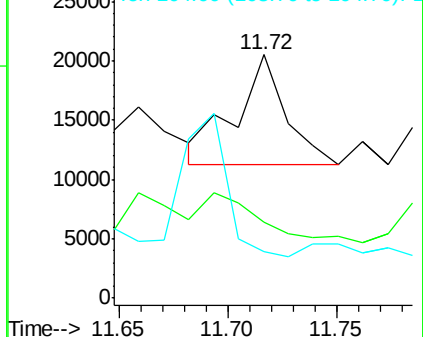


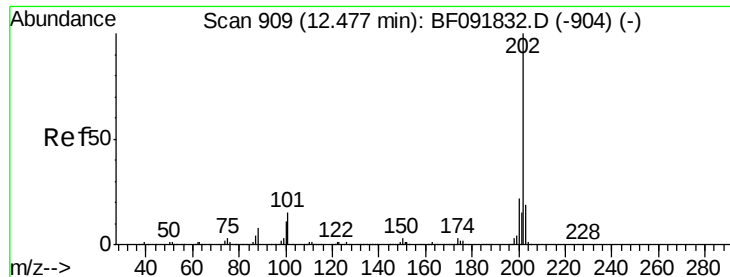
#73
 Di-n-butylphthalate
 Concen: Below Cal
 RT: 11.72 min Scan# 860
 Delta R.T. -0.09 min
 Lab File: BF092082.D
 Acq: 4 Jan 2017 21:50

Tgt Ion:149 Resp: 15127
 Ion Ratio Lower Upper
 149 100
 150 31.0 8.1 12.1#
 104 19.4 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E

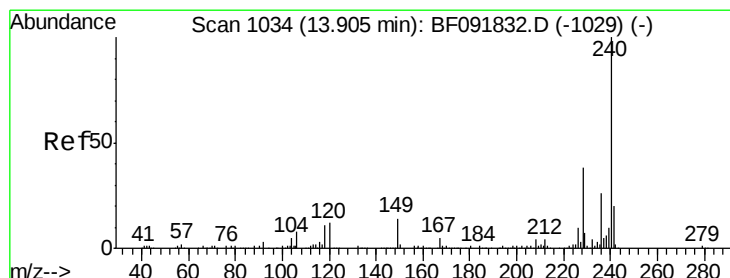
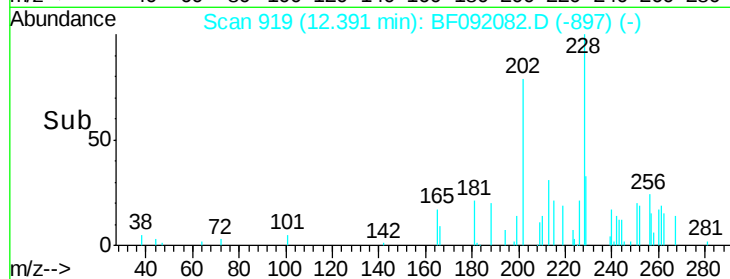
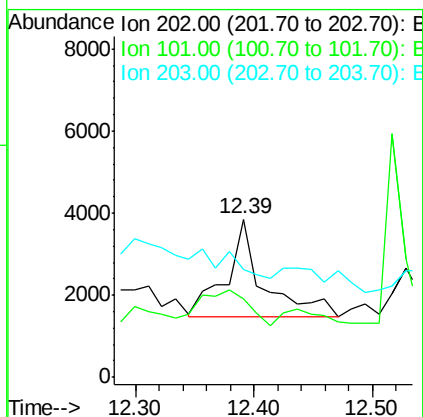
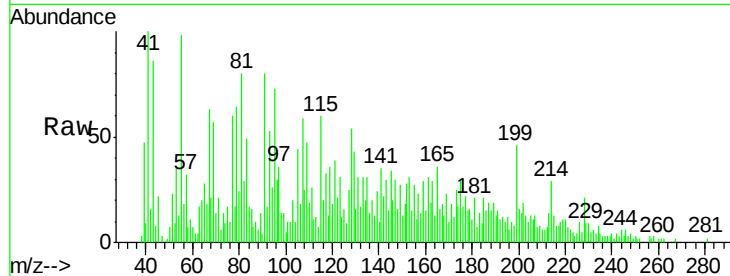




#74
Fluoranthene
Concen: Below Cal
RT: 12.39 min Scan# 919
Delta R.T. -0.05 min
Lab File: BF092082.D
Acq: 4 Jan 2017 21:50

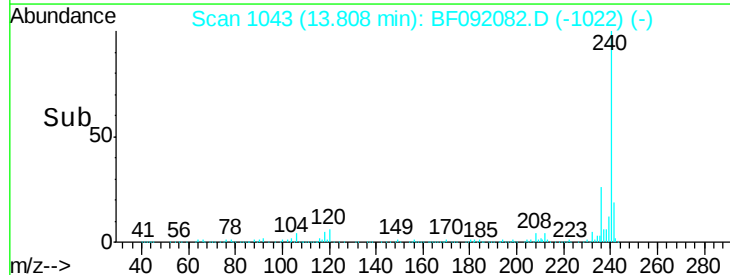
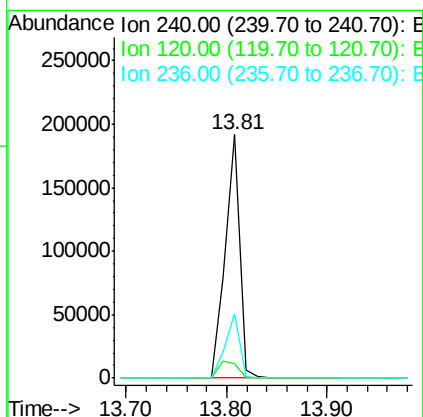
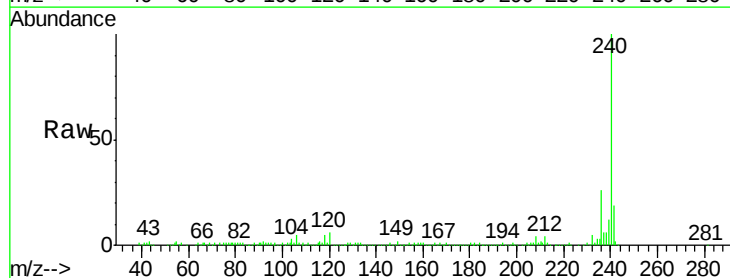
Instrument :
BNA_F
ClientSampleId :
MW-36

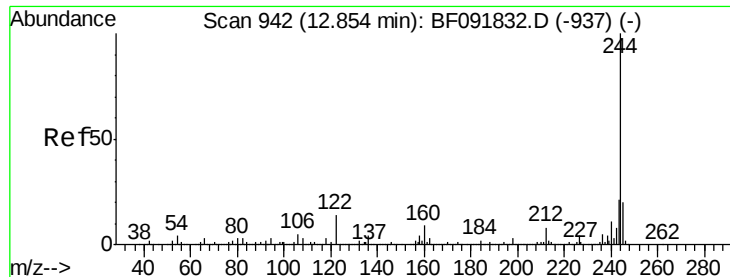
Tgt Ion: 202 Resp: 5198
Ion Ratio Lower Upper
202 100
101 49.9 0.0 34.6#
203 68.2 0.0 38.7#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.81 min Scan# 1043
Delta R.T. -0.06 min
Lab File: BF092082.D
Acq: 4 Jan 2017 21:50

Tgt Ion: 240 Resp: 193573
Ion Ratio Lower Upper
240 100
120 6.1 12.9 19.3#
236 26.2 20.9 31.3





#78

Terphenyl-d14

Concen: 187.96 ng

RT: 12.77 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF092082.D

Acq: 4 Jan 2017 21:50

Instrument :

BNA_F

ClientSampleId :

MW-36

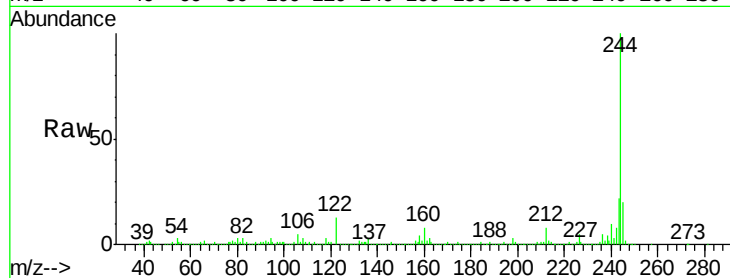
Tgt Ion:244 Resp: 1500236

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

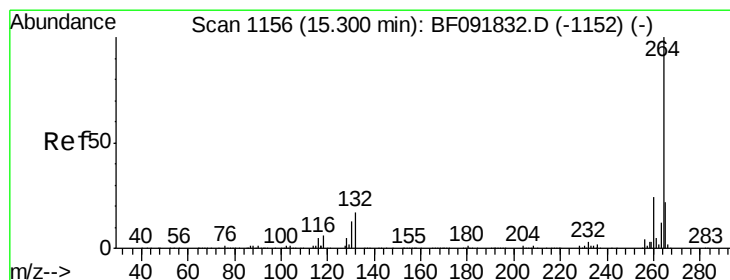
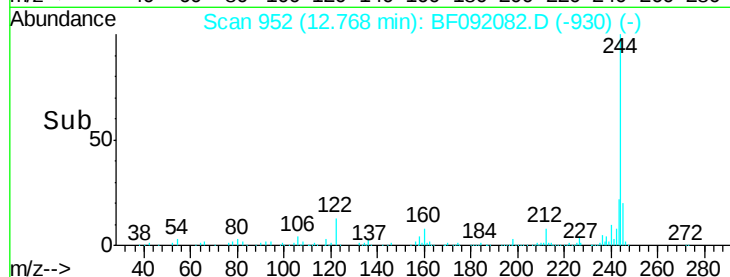
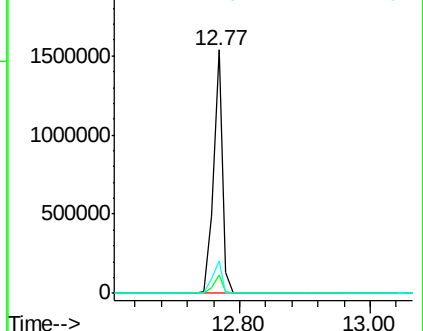
122 13.2 11.4 17.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.18 min Scan# 1163

Delta R.T. -0.07 min

Lab File: BF092082.D

Acq: 4 Jan 2017 21:50

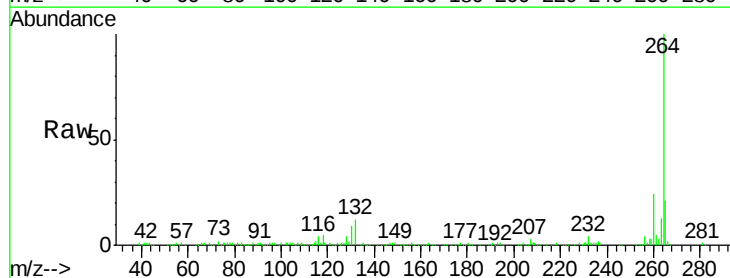
Tgt Ion:264 Resp: 157884

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 20.6 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

